

## EAST Search History

## EAST Search History ( Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	386	"injection port" with cap	US-PGPUB; USPAT	ADJ	ON	2008/03/17 12:52
S2	0	"injection port".ti. with cap	US-PGPUB; USPAT	ADJ	ON	2008/03/17 12:59
S3	3	(( "5520661" ) or ("5961497" ) or ("20020193752" ) ).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/17 13:00
S5	1	("5466219").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/17 13:02
S4	2	S3 and septum	US-PGPUB; USPAT	ADJ	ON	2008/03/17 13:02
S6	14	"injection port" with cap with septum	US-PGPUB; USPAT	ADJ	ON	2008/03/17 13:04
S7	362	"injection port" with septum	US-PGPUB; USPAT	ADJ	ON	2008/03/17 13:05
S8	11	"injection port" with (septum with slit)	US-PGPUB; USPAT	ADJ	ON	2008/03/17 13:12
S9	298	(( "20010007641" ) or ("20010012930" ) or ("20010039403" ) or ("20010047154" ) or ("20010049503" ) or ("20010056266" ) or ("20020045892" ) or ("20020091378" ) or ("20020094305" ) or ("20020095121" ) or ("20020095138" ) or ("20020111645" ) or ("20020130100" ) or ("20020131904" ) or ("20020132367" ) or ("20020133124" ) or ("20020133136" ) or ("20020156469" ) or ("20020166394" ) or ("20020169489" ) or ("20020170556" ) or ("20020173769" ) or ("20030014095" ) or ("20030036742" ) or ("20030098430" ) or ("20030125721" ) or ("20030153865" ) or ("20030199835" ) or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 08:36

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S10	1	("6468251").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 08:50
S12	16	("3387609"   "4197848"   "4289129"   "4378015"   "4578063"   "4752292"   "4776843"   "4874369"   "4950260"   "4976925"   "5135489"   "5199948"   "5342316").PN. OR ("5961497").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/05 08:52
S11	1	("5961497").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 08:52

S13	853	604/246.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 08:54
S16	692	604/533.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 08:55
S15	784	604/256.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 08:55
S14	289	604/248.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 08:55
S18	1469	604/523.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 08:56
S17	236	604/537.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 08:56
S21	249	251/149.5.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 09:00
S20	208	251/149.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 09:00
S23	199	604/88.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 09:02
S22	185	604/86.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 09:02
S24	265	604/201.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 09:03
S25	26	fluid same "circulating plate"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/05 09:08
S26	484	251/149.1.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 09:11
S27	18	("3323774"   "4300250"   "4428397"   "4544130"   "4738665"   "4769012"   "4802506").PN. OR ("5045068").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/05 10:08
S28	8	valve same "circulating plate"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/05 10:14
S30	87	S29 and circulating	US-PGPUB; USPAT	ADJ	ON	2008/06/05 10:15
S29	5289	S15 or S16 or S17 or S18 or S20 or S21 or S22 or S23 or S24 or S13 or S26 or S14	US-PGPUB; USPAT	ADJ	ON	2008/06/05 10:15
S31	89730	(valve or port) and circulating	US-PGPUB; USPAT	ADJ	ON	2008/06/05 10:27
S33	4823	S31 and ("604".clas. or "251".clas. or "137".clas. or "222".clas.)	US-PGPUB; USPAT	ADJ	ON	2008/06/05 10:30

S34	416	604/249.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 14:19
S35	70	("4324239"   "4429856"   "4842591"   "5163922"   "5215538"   "5242393"   "5242423"   "5353837"   "5360413"   "5395348"). PN. OR ("5573516").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/05 14:47
S36	1	("5193749").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 15:18
S37	1	("7322969").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 15:20
S38	1	("4263940").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 15:29
S40	1	("5355906").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 16:03
S41	1	("4274407").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 16:09
S42	1	("6699225").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/05 16:35
S44	784	604/256.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 16:37
S43	749	604/93.01.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 16:37
S45	16	("4981140"   "5135489"   "5178607"   "5199948"   "5203775"   "5279571"   "5306265"   "5324256"   "5417673"   "5531672"   "5603706"   "5989216"   "6213973"   "6468251"). PN. OR ("6699225").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/05 16:41
S46	185	604/86.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/06/05 16:54
S47	3726	stagna\$4 with (port or valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/06 07:29
S48	1	wo-03086528-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/06 07:33
S49	1	("5954691").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 07:39
S50	14	stagna\$4 with (port or valve) with turbine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/06 07:42



S51	44	stagna\$4 with (port or valve) same turbine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/06 07:43
S52	3	((("3525357") or ("5624395")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 07:55
S53	14	("3525357").URPN.	USPAT	ADJ	ON	2008/06/06 08:07
S55	1	("5961497").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 08:23
S54	1	("5520661").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 08:23
S56	1	("4197848").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 10:17
S57	1	("6595964").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 10:37
S58	1	("4601703").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 10:44
S59	1	("3880401").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 11:17
S60	1	("5817069").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 11:52
S61	1	("4141379").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 11:55
S62	70	(US-20030153865-\$ or US-20070088293-\$ or US-20060155248-\$ or US-20060129109-\$ or US-20050165365-\$ or US-20080132877-\$ or US-20080097407-\$ or US-20070233046-\$ or US-20080086097-\$ or US-20050171510-\$).did. or (US-5961497-\$ or US-6045539-\$ or US-6158458-\$ or US-5954313-\$ or US-4815477-\$ or US-6569125-\$ or US-6261266-\$ or US-6193697-\$ or US-5899888-\$ or US-6217568-\$ or US-6468251-\$ or US-4197848-\$ or US-5199948-\$ or US-4141379-\$ or US-4143853-\$ or US-5222948-\$ or US-6595964-\$ or US-5449350-\$ or US-5453097-\$ or US-6171287-\$ or US-5817069-\$ or US-3880401-\$ or US-5045068-\$ or US-4769012-\$ or US-5554124-\$ or US-5234412-\$).did. or (US-	US-PGPUB; USPAT	ADJ	ON	2008/06/12 16:27

		4266614-\$ or US-4673393-\$ or US-4610665-\$ or US-6640805-\$ or US-5509433-\$ or US-7100890-\$ or US-5967490-\$ or US-5833213-\$ or US-4387879-\$ or US-7296782-\$ or US-5749861-\$ or US-5573516-\$ or US-6871838-\$ or US-5569235-\$ or US-4915687-\$ or US-5584808-\$ or US-5193749-\$ or US-4274407-\$ or US-6699225-\$ or US-7163114-\$ or US-6918500-\$ or US-5279571-\$ or US-5203775-\$ or US-5603706-\$ or US-6827709-\$ or US-4786281-\$ or US-4585435-\$.did. or (US-5501676-\$ or US-5653698-\$ or US-5242393-\$ or US-4601703-\$ or US-3525357-\$ or US-5624395-\$ or US-4426062-\$.did.				
S63	41	("3682315"   "3900028"   "4187149"   "4219912"   "4289129"   "4307766").PN. OR ("4601703").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/12 17:30
S65	1	("3880401").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 07:47
S64	1	("4601703").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 07:47
S66	1	("4141379").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 07:50
S68	5238	(valve or port) and ((swirl or swirling or swirled) with (fluid or liquid))	US-PGPUB; USPAT	ADJ	ON	2008/12/30 07:55
S67	56794	(valve or port) and ((circulating or circulate or circulated or swirl or swirling or swirled) with (fluid or liquid))	US-PGPUB; USPAT	ADJ	ON	2008/12/30 07:55
S69	11	("20020193752"   "20050171510"   "3880401"   "4141379"   "4197848"   "4601703"   "5520661"   "5817069"   "5961497"   "5957898"   "6595964").PN.	US-PGPUB; USPAT	ADJ	ON	2008/12/30 07:59
S70	259	(valve or port) and ((swirl or swirling or swirled) with (fluid or liquid)) and (stagnate or stagnating or stagnation or stagnated)	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:04

S71	21706	(valve or port) same ((circulating or circulate or circulated or swirl or swirling or swirled) with (fluid or liquid))	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:05
S72	490	S71 and (stagnate or stagnating or stagnation or stagnated)	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:06
S73	13	("3413995"   "3515158"   "3563260"   "3592213"). PN. OR ("3712321").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/30 08:16
S74	83	137/808.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:18
S75	87	137/812.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:19
S78	81	S75 not S74	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:44
S79	275	S71 and septum	US-PGPUB; USPAT	ADJ	ON	2008/12/30 08:58
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S84	5567	(valve or port) and plate and septum	US-PGPUB; USPAT	ADJ	ON	2008/12/30 09:38
S86	180	(valve or port) same plate same septum same (fluid or liquid)	US-PGPUB; USPAT	ADJ	ON	2008/12/30 09:39
S85	404	(valve or port) same plate same septum	US-PGPUB; USPAT	ADJ	ON	2008/12/30 09:39
S87	1	("6468251").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 10:14
S88	740	604/905.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/30 10:16
S97	1	("5961497").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 10:59
S98	1	("4197848").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/30 12:35
S99	2	((("5961497") or ("3880401")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/05 13:59
S100	1	("6158458").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/05 14:00
S101	3	("4387879"   "5242393"   "5775671").PN.	US-PGPUB; USPAT	ADJ	ON	2009/09/05 14:01

S102	27	("3192949"   "3570484"   "4387879"   "4429856"   "4683916"   "4842591"   "5190067"   "5390898"   "5456675"   "5465938"   "5535785"   "5540661"). PN. OR ("5775671").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/05 14:08
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S103	1	("5957898").PN.	US-PGPUB; USPAT	ADJ	ON	2009/09/05 14:21
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